



BEFORE THE ARIZONA CORPORATION COMMISSION

KRISTIN K. MAYES  
Chairman  
GARY PIERCE  
Commissioner  
PAUL NEWMAN  
Commissioner  
SANDRA K. KENNEDY  
Commissioner  
BOB STUMP  
Commissioner

RECEIVED

2010 NOV 16 P 4:32

AZ CORP COMMISSION  
DOCKET CONTROL

Arizona Corporation Commission

DOCKETED

NOV 16 2010

DOCKETED BY

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY, IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
et seq., FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE NORTH VALLEY  
230kV FACILITY SITING PROJECT,  
INCLUDING THE CONSTRUCTION OF  
APPROXIMATELY 31 MILES OF  
230kV TRANSMISSION LINES, TWO  
230kV SUBSTATIONS, AND THREE  
SUBSTATION INTERCONNECTIONS IN  
MARICOPA COUNTY, ARIZONA,  
ORIGINATING AT THE WESTWING  
SUBSTATION IN SECTION 12,  
TOWNSHIP 4 NORTH, RANGE 1 WEST,  
G&SRB&M AND INTERCONNECTING  
AT THE RACEWAY SUBSTATION  
IN SECTIONS 4 AND 5, TOWNSHIP 5  
NORTH, RANGE 1 EAST, G&SRB&M,  
CONTINUING TO THE PROPOSED AVERY  
SUBSTATION IN SECTION 15,  
TOWNSHIP 5 NORTH, RANGE 2 EAST,  
G&SRB&M AND THE PROPOSED  
MISTY WILLOW SUBSTATION IN  
SECTION 8, TOWNSHIP 4 NORTH,  
RANGE 3 EAST, G&SRB&M, AND  
TERMINATING AT THE PINNACLE PEAK  
SUBSTATION IN SECTION 10, TOWNSHIP  
4 NORTH, RANGE 4 EAST, G&SRB&M.

Docket No. L-00000D-02-0120

Case No. 120

NOTICE OF SUBSTATION SITE CHANGE OR, IN THE ALTERNATIVE,  
APPLICATION TO AMEND A.C.C. DECISION NO. 65997

1           The Arizona Corporation Commission (“Commission”) Decision No. 65997 (June  
2 18, 2003) (Line Siting Case No. 120) (Exhibit A) approved a Certificate of Environmental  
3 Compatibility (“CEC”) granted by the Arizona Power Plant and Transmission Line Siting  
4 Committee (“Committee”) for the Arizona Public Service Company (“APS”) to build a  
5 double circuit 230kV line between the Westwing substation and the Pinnacle Peak  
6 substation. Decision No. 65997 also approved, among other items, the construction of the  
7 proposed Misty Willow substation in Section 8, Township 4 North, Range 3 East. The  
8 purpose for the Misty Willow substation is to serve as a transformation interconnection  
9 point to distribute power to the residential communities and commercial establishments in  
10 north Phoenix.

11           Most of the double circuit 230kV transmission line approved in Line Siting Case  
12 No. 120 was superseded by a new CEC authorizing a 500/230kV transmission line  
13 between the TS-9 substation and the Pinnacle Peak substation (A.C.C. Decision No.  
14 69343) (Line Siting Case No. 131) (Exhibit B). Decision No. 69343 (Line Siting Case No.  
15 131) specifically notes that APS retains the authorization from Line Siting Case No. 120 to  
16 construct the Misty Willow substation. (Exhibit B, page 12, line 6).<sup>1</sup>

17           Initially, the proposed Misty Willow substation (now referred to as the Scatter  
18 Wash substation) was anticipated to be located south of an existing double circuit SRP  
19 230kV transmission line. For reasons explained below, APS has decided that the Misty  
20 Willow/Scatter Wash substation should be located north of the existing SRP 230kV lines  
21 and the new APS 500/230kV transmission project. The substation will still be in Section  
22 8, Township 4 North, Range 3 East. (Attached as Exhibit C is an aerial map showing both  
23  
24  
25

26 <sup>1</sup> A copy of this notice and application is being filed in the Case No. 131 docket as well, even though the  
substation authorization stems from Case No. 120.

1 the initially proposed and currently proposed sites for the Misty Willow/Scatter Wash  
2 substation).<sup>2</sup>

3 All of the electric facilities, including the interconnection transmission structures,  
4 for the Misty Willow/Scatter Wash substation will be within the 1000 foot corridor  
5 approved in Line Siting Case No. 120.<sup>3</sup> Attached as Exhibit D is a conceptual site layout  
6 of the substation facility showing a preliminary rendering of the substation facilities and  
7 the 1000 foot corridor.

8 The primary reason for a change in the site from the south side to the north side of  
9 the transmission corridor is cost saving. The new substation site will save APS about \$3  
10 million because APS was able to acquire the land north of the existing transmission  
11 corridor for substantially less money than the owner was willing to sell the land to the  
12 south.

13 A secondary reason for the adjusted site is that it will reduce line crossings. The  
14 south site will require the new APS 230kV line to cross two high voltage transmission  
15 lines to interconnect with the new substation. The north site only requires APS to cross  
16 one high voltage line (its own 500kV line) which will be co-located on the same  
17 transmission structure as the new 230kV line.

18 The north site is bordered on the east by the Central Avenue alignment and state  
19 trust land, on the west by Bureau of Reclamation ("BOR") land, on the north by Happy  
20 Valley Road and state trust land and on the south by the existing transmission line  
21 corridor. The south site is bordered on the east by the Central Avenue alignment and BOR  
22 land, on the west by private land, on the south by private land and on the north by private  
23 land and BOR land. See Exhibit C.

24  
25 <sup>2</sup> The building in the upper right corner of the aerial has been removed.

26 <sup>3</sup> It is possible that the substation fence on the north side and a small portion of a retention basin will be  
outside the 1000 foot corridor, but none of the electrical facilities will be outside the corridor.

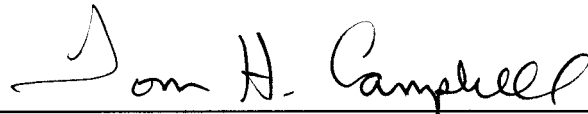
1 The north substation site is 2100 feet from the nearest residence. The south  
2 substation site is 1750 feet from the nearest residence.

3 On March 5, 2010, APS placed a sign on the north site facing Happy Valley Road  
4 informing the public of a new proposed substation and providing contact information.  
5 APS has not received any contacts from the public regarding the site. In addition, the  
6 Central Arizona Project, which manages the BOR land along the canal, and the Arizona  
7 State Land Department have been notified. APS plans to mail a written notice of the  
8 revised site to all landowners within one mile of the site.

9 By this pleading, APS is notifying the Commission and parties in Case No. 120 of  
10 this change. If the Commission deems the substation site change to require Commission  
11 approval, then APS respectfully requests that this filing be treated as an application under  
12 A.R.S. § 40-252 to amend Decision No. 65997 to authorize APS to move the substation  
13 from the south to the north side of the transmission line corridor for the cost and reliability  
14 reasons described above. APS anticipates that substation construction will be in 2012, but  
15 engineering and permitting work with the City of Phoenix must commence now. If the  
16 Commission chooses to treat this filing as an application for an amendment under A.R.S.  
17 § 40-252, APS respectfully requests that the Commission amend Decision No. 65997  
18 expeditiously so that the necessary engineering and permitting can begin.

19 RESPECTFULLY SUBMITTED this 16th day of November, 2010.

20 LEWIS AND ROCA LLP

21   
22

23 Thomas H. Campbell  
24 Albert H. Acken  
25 40 N. Central Avenue  
26 Phoenix, Arizona 85004  
Attorneys for Arizona Public Service Company



1 **ORIGINAL** and thirteen (13)  
2 copies of the foregoing hand-delivered  
3 this 16th day of November, 2010 to:

4 Arizona Corporation Commission  
5 Utilities Division - Docket Control  
6 1200 W. Washington Street  
7 Phoenix, Arizona 85004

8 **COPY** of the foregoing hand delivered  
9 this 16th day of November, 2010, to:

10 Janice Alward  
11 Charles Hains  
12 Robin Mitchell  
13 Legal Division  
14 Arizona Corporation Commission  
15 1200 W. Washington Street  
16 Phoenix, Arizona 85007

17 Lyn Farmer, Chief Administrative Law Judge  
18 Hearing Division  
19 Arizona Corporation Commission  
20 1200 W. Washington Street  
21 Phoenix, Arizona 85007

22 Steve Olea, Director  
23 Utilities Division  
24 Arizona Corporation Commission  
25 1200 W. Washington Street  
26 Phoenix, Arizona 85007

**COPY** of the foregoing mailed this  
16th day of November, 2010, to:

Chairman John Foreman  
Office of the Attorney General  
1275 W. Washington Street  
Phoenix, Arizona 85007

Roles, Inc.  
c/o Roger K. Ferland  
Quarles & Brady  
One Renaissance Square  
Two North Central Avenue  
Phoenix, Arizona 85004

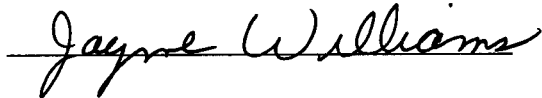
1 Beverly Jackson  
2 27011 North 31<sup>st</sup> Drive  
3 Phoenix, Arizona 85085

3 Patrick J. Black  
4 Webb C. Crockett  
5 Fennemore Craig  
6 Suite 2600  
7 3003 N. Central Avenue  
8 Phoenix, Arizona 85012-2913

7 William E. Lally  
8 Withey, Anderson & Morris  
9 2525 E. Arizona Biltmore Circle, #A-212  
10 Phoenix, Arizona 85016-2133

9 Michele Molinario  
10 Ridenour Hienton, et. al  
11 201 N. Central Avenue  
12 Suite 3300  
13 Phoenix, Arizona 85004-1052

12 Robert N. Pizorno  
13 Britton M. Worthen  
14 Bues Gilbert PLLC  
15 4800 N. Scottsdale Road  
16 Suite 6000  
17 Scottsdale, Arizona 85251-7630

16  
17   
18  
19  
20  
21  
22  
23  
24  
25  
26

## **EXHIBIT A**

1 BEFORE THE ARIZONA CORPORATION COMMISSION

2 COMMISSIONERS

3 MARC SPITZER, Chairman  
4 JIM IRVIN  
5 WILLIAM A. MUNDELL  
6 JEFF HATCH-MILLER  
7 MIKE GLEASON

Arizona Corporation Commission

DOCKETED

JUN 18 2003

DOCKETED BY

DDA

7 IN THE MATTER OF THE APPLICATION OF ARIZONA  
8 PUBLIC SERVICE COMPANY, IN CONFORMANCE  
9 WITH THE REQUIREMENTS OF ARIZONA REVISED  
10 STATUTES SECTION 40-360, ET SEQ., FOR A  
11 CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY  
12 AUTHORIZING THE NORTH VALLEY 230kV FACILITY  
13 SITING PROJECT, INCLUDING THE CONSTRUCTION  
14 OF APPROXIMATELY 31 MILES OF 230kV  
15 TRANSMISSION LINES, TWO 230kV SUBSTATIONS,  
16 AND THREE SUBSTATION INTERCONNECTIONS IN  
17 MARICOPA COUNTY, ARIZONA, ORIGINATING AT  
18 THE WESTWING SUBSTATION IN SECTION 12,  
19 TOWNSHIP 4 NORTH, RANGE 1 WEST, G&SRB&M AND  
20 INTERCONNECTING AT THE RACEWAY SUBSTATION  
21 IN SECTIONS 4 AND 5, TOWNSHIP 5 NORTH, RANGE 1  
22 EAST, G&SRB&M, CONTINUING TO THE PROPOSED  
23 AVERY SUBSTATION IN SECTION 15, TOWNSHIP 5  
24 NORTH, RANGE 2 EAST, G&SRB&M AND THE  
25 PROPOSED MISTY WILLOW SUBSTATION IN SECTION  
26 8, TOWNSHIP 4 NORTH, RANGE 3 EAST, G&SRB&M,  
27 AND TERMINATING AT THE PINNACLE PEAK  
28 SUBSTATION IN SECTION 10, TOWNSHIP 4 NORTH,  
RANGE 4 EAST, G&SRB&M.

CASE NO. 120

Docket No. L-00000D-02-0120

DECISION NO. 65997

20 The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to  
21 A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental  
22 Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee  
23 ("Committee") is granted as modified and amended by this Order.

24 The Commission modifies the CEC to add the following condition:

25 30. Applicant shall work with developers along the route to include the identity and  
26 location of the certificated route in the developers' homeowners disclosure statements.

27 The Commission finds and concludes that: (1) the Project is in the public interest because it  
28 aids the state in meeting the need for an adequate, economical and reliable supply of electric power;

1 (2) in balancing the need for the Project with its effect on the environment and ecology of the state,  
2 the conditions placed on the CEC by the Committee and the Commission, effectively minimize its  
3 impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the  
4 Committee and the Commission, resolve matters concerning the need for the Project and its impact  
5 on the environment and ecology of the state raised during the course of proceedings, and as such,  
6 serve as the findings on the matters raised; and, (4) in light of these conditions, the balancing in the  
7 public interest results in favor of granting the CEC as modified by the Commission.

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

...

26

...

27

...

28

...

1 THE CEC ISSUED BY THE SITING COMMITTEE IS  
2 INCORPORATED HEREIN AND IS  
3 APPROVED AS AMENDED BY THIS ORDER OF THE  
4 ARIZONA CORPORATION COMMISSION

5  
6  
7 CHAIRMAN

COMMISSIONER

COMMISSIONER

8  
9  
10 COMMISSIONER

COMMISSIONER

11 IN WITNESS WHEREOF, I, JAMES G. JAYNE, Interim  
12 Executive Secretary of the Arizona Corporation Commission,  
13 have hereunto, set my hand and caused the official seal of the  
14 Commission to be affixed at the Capitol, in the City of Phoenix,  
15 this 18<sup>th</sup> day of June, 2003.

16 JAMES G. JAYNE  
17 Interim Executive Secretary

18 DISSENT: \_\_\_\_\_  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

1                                   **BEFORE THE ARIZONA POWER PLANT AND**  
2                                   **TRANSMISSION LINE SITING COMMITTEE**

3       IN THE MATTER OF THE APPLICATION OF  
4       ARIZONA PUBLIC SERVICE COMPANY IN  
5       CONFORMANCE WITH THE REQUIREMENTS  
6       OF ARIZONA REVISED STATUTES SECTION  
7       40-360, ET SEQ., FOR A CERTIFICATE OF  
8       ENVIRONMENTAL COMPATIBILITY  
9       AUTHORIZING THE NORTH VALLEY 230KV  
10      FACILITY PROJECT, CASE NO. 120  
11      INCLUDING THE CONSTRUCTION OF  
12      APPROXIMATELY 31 MILES OF 230KV  
13      TRANSMISSION LINES, TWO 230KV  
14      SUBSTATIONS, AND THREE SUBSTATION  
15      INTERCONNECTIONS IN MARICOPA  
16      COUNTY, ARIZONA, ORIGINATING AT THE  
17      WESTWING SUBSTATION IN SECTION 12,  
18      TOWNSHIP 4 NORTH, RANGE 1 WEST,  
19      G&SRB&M AND INTERCONNECTING AT THE  
20      RACEWAY SUBSTATION IN SECTIONS 4  
21      AND 5, TOWNSHIP 5 NORTH, RANGE 1 EAST,  
22      G&SRB&M, CONTINUING TO THE PROPOSED  
23      AVERY SUBSTATION IN SECTION 15,  
24      TOWNSHIP 5 NORTH, RANGE 2 EAST,  
25      G&SRB&M AND THE PROPOSED MISTY  
26      WILLOW SUBSTATION IN SECTION 8,  
27      TOWNSHIP 4 NORTH, RANGE 3 EAST,  
28      G&SRB&M, AND TERMINATING AT THE  
29      PINNACLE PEAK SUBSTATION IN SECTION  
30      10, TOWNSHIP 4 NORTH, RANGE 4 EAST,  
31      G&SRB&M.

Docket No. L-00000D-02-0120

CASE NO. 120

32                                   **CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

33               Pursuant to notice given as provided by law, the Arizona Power Plant and Transmission  
34       Line Siting Committee (the "Committee") held public hearings on November 25-26, 2002,  
35       January 27, 2003, January 29, 2003, March 24, 2003 and March 26, 2003, all in conformance  
36

**DECISION NO. 65997**

1 with the requirements of Arizona Revised Statutes § 40-360, *et seq.*, for the purpose of  
2 receiving evidence and deliberating on the Application of Arizona Public Service Company  
3 ("Applicant") for a Certificate of Environmental Compatibility in the above-captioned case.  
4 A route tour was conducted on January 27, 2003.

5 The following members and designees of members of the Committee were present for  
6 the deliberations and vote on the Application at the January 29, 2003 hearing:

7	Laurie Woodall	Chairman, Designee for Arizona Attorney General,
8		Terry Goddard
9	Ray Williamson	Designee for Chairman, Arizona Corporation
10		Commission
11	Richard Tobin	Designee for Director, Arizona Department of
12		Environmental Quality
13	Mark McWhirter	Designee for Director, Energy Department, Arizona
14		Department of Commerce
15	Margaret Trujillo	Appointed Member
16	A. Wayne Smith	Appointed Member
17	Michael Whalen	Appointed Member
18	Michael Palmer	Appointed Member

19 The Applicant was represented by Jeffrey B. Guldner and Lisa M. Coulter of Snell &  
20 Wilmer L.L.P. and C. David Martinez of Pinnacle West Capital Corporation. The following  
21 parties were granted intervention pursuant to A.R.S. § 40-360.05: Arizona Corporation  
22 Commission Staff, represented by Janice M. Alward and Jason D. Gellman; Walter Meek, pro  
23 se; United Services Automobile Association, represented by C. Webb Crockett of Fennemore  
24 Craig, P.C.; Roles Inc., represented by Roger K. Ferland and Laura Raffaelli of Quarles &  
25 Brady Streich Lang L.L.P.; and Beverly Jackson, pro se.

26 At the conclusion of the hearings, the Committee, having received the Application, the



1 appearances of the parties, the evidence, testimony and exhibits presented at the hearings, and  
2 being advised of the legal requirements of Arizona Revised Statutes §§ 40-360 to 40-360.13,  
3 upon motion duly made and seconded, voted unanimously to grant the Applicant the following  
4 Certificate of Environmental Compatibility (Case No. 120):

5         The North Valley project route (depicted on Exhibit A, attached hereto) will  
6 originate at the Westwing Substation in Section 12, Township 4 North, Range 1 West,  
7 and parallel an existing 500/230kV transmission line corridor northeast (approximately  
8 3.1 miles) to the section line that designates the Dove Valley Road alignment. At that  
9 point, a radial line will extend northeast for approximately 1.7 miles interconnecting  
10 with the 230/69kV Raceway Substation in Sections 4 and 5, Township 5 North, Range  
11 1 East. From the Westwing Substation north to Raceway Substation this portion of the  
12 route will include a 1,500-foot corridor extending to the east from the westernmost  
13 edge of the exiting transmission line right-of-way. From the point where the radial line  
14 is extended, the route continues east along the section line associated with the Dove  
15 Valley Road alignment for approximately 8.3 miles to the proposed Avery Substation,  
16 located approximately ½ mile west of I-17 in Section 15, Township 5 North, Range 2  
17 East. There will be a 1,500-foot corridor on each side of the section line that designates  
18 the Dove Valley Road alignment in this area. From that point the line will continue  
19 south along the 39<sup>th</sup> Avenue alignment for 1.0 mile to the section line that designates  
20 the Lone Mountain Road alignment. The route then crosses Sections 22 and 23,  
21 Township 5 North, Range 2 East, on the diagonal to meet I-17, where the 69 kV crosses  
22 I-17 at a point identified as Latitude 33.7671852 and Longitude -112.128662. In this  
23 area, there will be a 1,000-foot corridor on each side of the proposed centerline of the  
24 route. The route then continues south paralleling the west side of I-17 to a point  
25 approximately 1.0 mile north of Happy Valley Road and immediately south of Skunk  
26 Creek. There will be a 1,000-foot corridor west of the controlled access for I-17. At

1 this point the route parallels the south side of Skunk Creek for approximately 0.1 mile  
2 to the 29<sup>th</sup> Avenue alignment where it turns south and parallels the 29<sup>th</sup> Avenue  
3 alignment to a point approximately 0.25 miles south of Happy Valley Road. Along  
4 Skunk Creek and the 29<sup>th</sup> Avenue alignment there will be a 1,000-foot corridor on  
5 either side of the proposed centerline, except that the corridor shall not extend beyond  
6 the western boundary of the controlled access for I-17. At this point the route will turn  
7 east and cross I-17 approximately 0.25 miles south of Happy Valley Road and parallel  
8 the existing 230 kV transmission line corridor for approximately 2.5 miles,  
9 interconnecting with the proposed Misty Willow Substation located south of the  
10 existing transmission corridor and west of the CAP in Section 8, Township 4 North,  
11 Range 3 East. At this point, the route then continues east and parallel to the 230kV  
12 transmission line corridor, terminating at the Pinnacle Peak Substation in Section 10,  
13 Township 4 North, Range 4 East. In the area from I-17 east to the Pinnacle Peak  
14 Substation, there will be a 1,000-foot corridor north of the centerline of the existing  
15 Salt River Project ("SRP") transmission line.

16  
17 With the exception of turning structures, the Project shall, at a maximum, be  
18 constructed on double-circuit monopoles with the capability for double circuit 69 kV  
19 underbuild from the Westwing Substation to the west side of 23<sup>rd</sup> Avenue, and shall be  
20 constructed on double-circuit lattice towers for the remainder of the Project.  
21 Notwithstanding the foregoing, between 23<sup>rd</sup> Avenue and the Misty Willow Substation,  
22 the Project may be constructed either on double-circuit monopoles with capability for  
23 double-circuit 69 kV underbuild or double-circuit lattice towers to match structure  
24 types with the existing SRP transmission line.

25 This Certificate is granted upon the following conditions:  
26

1           1.     The Applicant shall obtain all required approvals and permits  
2           necessary to construct the Project.

3           2.     The Applicant shall comply with all existing applicable air and  
4           water pollution control standards and regulations, and with all  
5           existing applicable ordinances, master plans and regulations of  
6           the State of Arizona, the County of Maricopa, the United States,  
7           and any other governmental entities having jurisdiction.

8           3.     (a) This authorization to construct the Project shall expire 10  
9           years from the date the Certificate is approved by the Arizona  
10          Corporation Commission unless construction is completed to the  
11          point that the first circuit of the Project is capable of operating by  
12          that time; provided, however, that the authorization to construct  
13          the second circuit of the Project shall expire 15 years from date of  
14          this Certificate; and further provided, however, that prior to either  
15          such expiration the Applicant or its assignees may request that the  
16          Commission extend this time limitation.

17          (b) Prior to constructing any segment of the Project (except for  
18          the segment on the Roles Property), Applicant shall file with the  
19          Commission technical studies showing the feasibility of  
20          interconnecting the Table Mesa 500 kV substation with the  
21          Project. These technical studies should determine (i) the impact  
22          of the proposed new Phoenix area transmission import delivery  
23          point on Phoenix area Reliability Must Run ("RMR") generation  
24          requirements, and (ii) the impact on staging and necessity of 230  
25          kV elements authorized for construction in this CEC. As part of  
26          those studies, Applicant shall investigate the impacts of  
interconnecting the Westwing to Navajo 500 kV transmission  
line(s) into the Table Mesa substation prior to constructing the  
Palo Verde to Table Mesa 500 kV line. Such studies are to be  
performed in a collaborative transmission planning study forum  
such as the ten-year Phoenix area RMR study required by January  
31, 2004 or the Central Arizona Transmission Study forum.

(c) Prior to constructing any segment of the Project (except for  
the segment on the Roles Property), Applicant shall submit a  
report to the ACC Utilities Division Staff showing how the design  
appropriately balances pole height, location and span with system  
reliability. The report shall also demonstrate that any system

consolidation shall not detrimentally impact system reliability at the time of construction.

4. The Applicant shall make every reasonable effort to identify and correct, on a case-specific basis, all complaints of interference with radio or television signals from operation of the transmission line and related facilities addressed in this Certificate. In addition to any transmission repairs, relevant corrective actions may include adjusting or modifying receivers; adjusting, repairing, replacing or adding antennas, antenna signal amplifiers, filters, or lead-in cables; or other corrective actions.

The Applicant shall maintain written records for a period of five years of all complaints of radio or television interference attributable to operation, together with the corrective action taken in response to each complaint. All complaints shall be recorded to include notations on the corrective action taken. Complaints not leading to a specific action or for which there was no resolution shall be noted and explained. The record shall be signed by the Applicant and also the complainant, if possible, to indicate concurrence with the corrective action or agreement with the justification for a lack of action.

5. The North Valley Project shall comply with applicable noise standards of the federal Department of Housing and Urban Development and the Environmental Protection Agency.

6. The Applicant shall continue to consult with the State Historic Preservation Office ("SHPO") to reach a determination of any cultural or archeological impacts as a result of construction activities. If the result is a determination of negative impact, the Applicant shall continue to consult with the SHPO to resolve the negative impacts. The Applicant will provide a treatment plan, to minimize impacts, for SHPO review and approval and shall continue to consult with SHPO to resolve any such impacts. The Applicant shall avoid and/or minimize impacts to properties considered eligible for inclusion in the State and National Register of Historic Places to the extent possible.

7. If the Applicant determines that historic-period structures Beardsley Canal and Black Canyon Road and archaeological sites AZ T:7:192 (ASM), AZ T:3:1 (MNA) and AZ T:3:2 (MNA)

cannot be avoided, then the Applicant shall plan and implement a mitigation program in consultation with SHPO.

8. If human remains and/or funerary objects are encountered during the course of any ground disturbing activities relating to the development of the subject property, Applicant shall cease work on the affected area of the Project and notify the Director of the Arizona State Museum in accordance with A.R.S. § 41-865.
9. Applicant shall retain an archeologist on site during construction activities in applicable areas, as determined by SHPO, to advise them in connection with any additional archeological studies that may be required and any mitigation efforts for archeological sites that may be affected by the construction of the Project.
10. After construction, the Applicant, in conjunction with any applicable land managing agency, shall allow Arizona Site Stewards, a volunteer-staffed SHPO program, to periodically inspect the sites within the corridor for vandalism or other damage.
11. The Applicant shall follow the Arizona State Land Department's instructions, if any, regarding the treatment of State Register of Historic Places-eligible properties situated on Arizona State Land Department land in consultation with SHPO.
12. In consultation with SHPO and the land-managing agency, the Applicant will consider and assess potential direct and indirect impacts to eligible properties related to new access roads or any existing access roads that require blading.
13. The Applicant shall design the transmission lines so as to minimize impacts to raptors.
14. Where practicable, the Applicant shall use existing roads for construction and access. The Applicant shall minimize vegetation disturbance, particularly in drainage channels and along stream banks, and shall re-vegetate or restore areas of construction disturbance.
15. The Applicant shall use non-specular conductor and dulled surfaces for transmission line structures.

1  
2  
3  
4  
5  
6  
16. Within 45 days of securing easement or right of way for the Project, the Applicant shall erect and maintain signs providing public notice that the property is the site of a future transmission line. Such signage shall be no smaller than a normal roadway sign. The Applicant shall place signs in prominent locations at reasonable intervals such that the public is notified along the full length of the transmission line until the transmission structures are constructed. There must also be signs at the location of the proposed substations. The signs shall advise:

- 7  
8  
9  
10  
11
- that the site has been approved for the construction of Project facilities including a 230 kV transmission line, as applicable to the individual site;
  - the expected date of completion of the Project facilities; and
  - a phone number for public information regarding the Project.

12  
13  
14  
15  
16  
17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile radius of the Project facilities for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18  
19  
20  
21  
22  
18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with ACC Docket Control with copies to affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

23  
24  
25  
26  
The goals of the Plan will be to:

- Avoid impacts where practical;
- Where impacts are unavoidable, minimize impacts; and
- Focus on site preparation to facilitate natural processes of revegetation

1 Other key elements of the Plan, when not inconsistent with the  
2 respective land management agencies' or local owners'  
3 requirements, are to:

- 4 • Emphasize final site preparation to encourage natural  
5 revegetation
- 6 • Avoid (i.e., preserve), where practical, mature native trees;
- 7 • Stipulate a maximum construction corridor width;
- 8 • Reserve topsoil and native plant materials from right-of-  
9 way before grading, and respread over the right-of-way  
10 after construction is complete;
- 11 • Imprint the restored right-of-way to provide indentations  
12 to catch seed and water;
- 13 • Implement best management practices to protect the soil;
- 14 • Apply restoration methods that have been shown to work  
15 in the desert environment; and
- 16 • Prevent the spread of noxious weeds or other undesirable  
17 species.

18 A separate construction mitigation and restoration plan shall be  
19 submitted for the conducting of the second circuit on the  
20 Project if such conducting does not occur at the same time as  
21 the remainder of the Project is constructed.

- 22 19. Applicant shall retain a qualified biologist to monitor all ground  
23 clearing/disturbing construction activities that may affect sensitive  
24 habitat. The biological monitor will be responsible for ensuring  
25 proper actions are taken if a special status species is encountered.  
26 If Sonoran desert tortoises are encountered during construction,  
the Applicant shall follow the Arizona Game & Fish Department's  
Guidelines for Handling Sonoran Desert Tortoises.
- 20 20. Applicant shall salvage mesquite, ironwood, saguaro and palo  
21 verde trees removed during project construction activities  
22 consistent with Arizona's Native Plant Law and use the  
23 vegetation for reclamation in or near its original location.
- 24 21. Applicant shall implement landscaping for the substation sites in  
25 accordance with the applicable municipal planning and zoning  
26 requirements.
22. The Applicant shall submit a self-certification letter annually,

1 identifying which conditions contained in the Certificate have  
2 been met. Each letter shall be submitted to the Utilities Division  
3 Director on December 1, beginning in 2004. Attached to each  
4 certification letter shall be documentation explaining, in detail,  
5 how compliance with each condition was achieved. Copies of  
6 each letter, along with the corresponding documentation, shall  
7 also be submitted to the Arizona Attorney General, Department of  
8 Water Resources, and Department of Commerce Energy Office.

9  
10 23. For that segment of the route that crosses the planned Happy  
11 Valley Road Towne Center property leased by Roles and located  
12 at the southeast corner of I-17 and Happy Valley Road ("Roles  
13 Segment"), Applicant shall:

- 14 (a) Construct 230 kV double-circuit tangent steel monopoles  
15 and relocate the existing 69 kV transmission line to such  
16 monopoles at Applicant's expense;
- 17 (b) Match spans with existing structures that shall have a  
18 minimum ground clearance equal to or greater than the  
19 ground clearance of the existing lines on the Roles  
20 Segment;
- 21 (c) Use commercially reasonable efforts to locate structures  
22 within the existing transmission line easement across the  
23 property;
- 24 (d) Work in good faith with Roles, Salt River Project, and the  
25 Western Area Power Administration to facilitate the  
26 reconstruction of the existing 230 kV transmission  
structures on the property as monopoles, with the costs of  
such reconstruction to be allocated as agreed to by  
Applicant and Roles;
- (e) Construct Applicant's monopoles on the property within  
one year of the effective date of this Certificate provided  
that Roles has final, approved plans and permits to  
construct at that time and has commenced construction;  
however, if Roles has not accomplished the foregoing  
within one year of the Effective Date of the Certificate,  
Applicant's obligation to construct shall be at such time



1 that Roles has final, approved plans and permits to  
2 construct and has commenced construction;

- 3 (f) Relocate Applicant's existing 69 kV transmission line  
4 within the same period described in (e), provided that an  
5 outage on the 69 kV transmission line can be safely and  
6 reliably taken during that period.

7 24. Applicant shall continue to coordinate this Project with both SRP  
8 and Western Area Power Administration ("WAPA") to ensure that  
9 all possible projects are maximally integrated, taking into account  
10 serving Arizona's growing need for electrical service, ensuring  
11 reliability for the Project and the Arizona Transmission System  
12 and minimizing any and all adverse environmental impacts.  
13 Applicant shall provide to the ACC written confirmation of  
14 continuing efforts at coordination as described above as part of its  
15 compliance with this Certificate.

16 25. With respect to the Project, Applicant shall participate in good  
17 faith in state and regional transmission study forums, and shall  
18 coordinate transmission expansion plans related to the Project to  
19 resolve transmission constraints in a timely manner.

20 26. The following condition is to ensure transmission system safety  
21 and reliability when a transmission structure is placed within one  
22 hundred feet of a natural gas or hazardous liquid pipeline right of  
23 way, excluding distribution lines as defined by the Code of  
24 Federal Regulations. Under such circumstances, the Applicant  
25 shall:

- 26 (a) Provide the appropriate grounding and cathodic protection  
studies to show that the transmission line results in no  
material adverse impacts to such natural gas or hazardous  
liquid pipeline, whose right of way is a hundred feet or less  
from the transmission structure, when both are in  
operation. A report of studies shall be provided to the ACC  
by the Applicant as part of its compliance with the  
Certificate. If material adverse impacts are noted in the  
studies, Applicant shall take appropriate steps to ensure  
such material adverse impacts are eliminated. Applicant  
shall provide to the ACC written documentation of the

actions that were taken and provide documentation showing that no material adverse impacts are occurring.

- (b) Adopt a written mitigation plan outlining any and all steps taken to protect all electric facilities associated with the transmission line as a result of this Project from any potential hazards that could occur whenever a transmission line structure is placed 100 feet or less from any such pipeline right of way. The plan shall indicate what corrective action will be taken to mitigate any potential hazard that could occur. A potential hazard includes, but is not limited to, a rupture or explosion resulting from the pipeline. The written mitigation plan shall be provided to the ACC by the Applicant as part of its compliance with this Certificate and shall be subject to approval from Commission Staff. Applicant shall implement the written mitigation plan during a hazard as part of its compliance with this Certificate.

27. The Applicant shall provide copies of this Certificate to appropriate city and county planning agencies.

28. In the final siting of this line, Applicant will work in good faith to offset lines approximately ¼ mile from the Dove Valley Road alignment.

29. Applicant shall make good faith effort to work with affected municipalities and land management agencies to encourage future development to move major arterials away from major transmission corridors.

1 GRANTED this 24<sup>th</sup> day of April, 2003.

2 THE ARIZONA POWER PLANT AND  
3 TRANSMISSION LINE SITING COMMITTEE

4 By: Laurie A. Woodall  
Laurie A. Woodall, Chairman

5  
6 APPROVED BY ORDER OF THE ARIZONA CORPORATION COMMISSION

7 [Signature]  
8 Chairman

9 [Signature]  
Commissioner

10 [Signature]  
Commissioner

11  
12 Commissioner

13 [Signature]  
Commissioner

14 In Witness Hereof, I, Brian C. McNeil, Executive Secretary of the Arizona  
15 Corporation Commission, set my hand and cause the official seal of this Commission  
16 to be affixed, this 18<sup>th</sup> day of June, 2003.

17 By: [Signature]  
18 James G. Jayne  
19 Interim Executive Secretary

20 Dissent: \_\_\_\_\_

21 237239/cg

# North Valley Project Route and Corridor Description



- Proposed Route Corridor
- Proposed Substation Siting Area

## General Reference Features

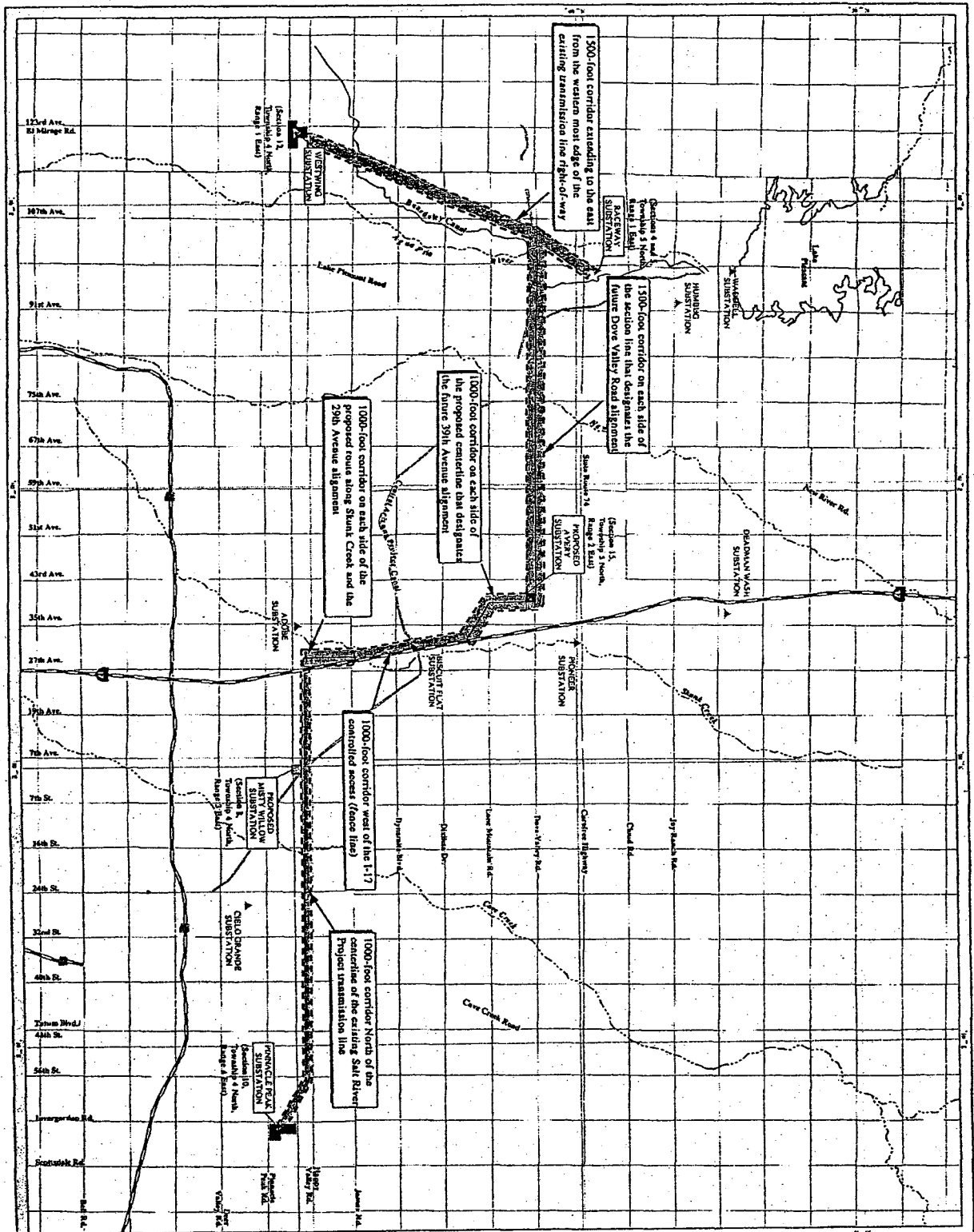
- Interstate/Highway
- Section Line
- Lake
- Stream/River
- Canal
- Existing Substation



Scale 1:62,500  
North Arrow



DECISION NO. 55997



## **EXHIBIT B**

## BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

FEB 26 2007

Jeff Hatch-Miller, Chairman  
 William A. Mundell  
 Mike Gleason  
 Kristin K. Mayes  
 Gary Pierce

Arizona Corporation Commission  
**DOCKETED**

FEB 20 2007

DOCKETED BY

nr

IN THE MATTER OF THE APPLICATION OF  
 ARIZONA PUBLIC SERVICE COMPANY IN  
 CONFORMANCE WITH THE REQUIREMENTS  
 OF ARIZONA REVISED STATUTES SECTION  
 40-360, *et seq.*, FOR A CERTIFICATE OF  
 ENVIRONMENTAL COMPATIBILITY  
 AUTHORIZING THE TS-9 TO PINNACLE  
 PEAK 500Kv/230Kv TRANSMISSION LINE  
 PROJECT WHICH INCLUDES A 500Kv/  
 TRANSMISSION LINE, A 230Kv  
 TRANSMISSION LINE AND ASSOCIATED  
 FACILITIES AND INTER-CONNECTION  
 ORIGINATING FROM THE PROPOSED TS-9  
 SUBSTATION LOCATED SOUTH OF SR74 IN  
 PEORIA, AT SECTION 33, TOWNSHIP 6  
 NORTH, RANGE 1 EAST, G&SRB&M, TO THE  
 EXISTING PINNACLE PEAKE SUBSTATION  
 LOCATED NEAR 64<sup>TH</sup> STREET AND  
 PINNACLE PEAK ROAD IN PHOENIX, AT  
 SECTION 10, TOWNSHIP 4 NORTH, RANGE 4  
 EAST, G&SRB&M.

DOCKET NO. L-00000D-06-0635-00131

CASE NO. 131

DECISION NO. 69343

The Arizona Corporation Commission ("Commission") has conducted its review, pursuant to A.R.S. § 40-360.07. The Commission finds and concludes that the Certificate of Environmental Compatibility ("CEC") issued by the Arizona Power Plant and Transmission Line Siting Committee ("Committee") is hereby granted as modified by this Order.

The Commission modifies the CEC by deleting condition 12 and substituting a new condition 12 as follows:

12. Pursuant to A.R.S. § 41-844, if any archaeological, paleontological or historical site or object that is at least fifty years old is discovered on state, county or municipal land during plan-

1 related activities, the person in charge shall promptly report the discovery to the Director of the  
2 Arizona State Museum, and in consultation with the Director, shall immediately take all reasonable  
3 steps to secure and maintain the preservation of the discovery. If human remains and/or funerary  
4 objects are encountered on private land during the course of any ground-disturbing activities relating  
5 to the development of the subject property, Applicant shall cease work on the affected area of the  
6 Project and notify the Director of the Arizona State Museum pursuant to A.R.S. § 41-865.

7 ...

8 ...

9 ...

10 ...

11 ...

12 ...

13 ...

14 ...

15 ...

16 ...

17 ...

18 ...

19 ...

20 ...

21 ...

22 ...

23 ...

24 ...

25 ...

26 ...

27 ...

28 ...

The Commission further finds and concludes that: (1) the Project is in the public interest because it aids the state in meeting the need for an adequate, economical and reliable supply of electric power; (2) in balancing the need for the Project with its effect on the environment and ecology of the state, the conditions placed on the CEC by the Committee as modified by the Commission effectively minimize its impact on the environment and ecology of the state; (3) the conditions placed on the CEC by the Committee as modified by the Commission resolve matters concerning the need for the Project and its impact on the environment and ecology of the state raised during the course of proceedings, and as such, serve as the findings on the matters raised; and (4) in light of these conditions, the balancing in the broad public interest results in favor of granting the CEC as modified by the Commission.

**THE CEC ISSUED BY THE SITING COMMITTEE IS INCORPORATED HEREIN**

**AND IS APPROVED AS MODIFIED BY THE COMMISSION**

**BY ORDER OF THE ARIZONA CORPORATION COMMISSION**

*Jeffrey M. Hatch-Miller*  
CHAIRMAN

*Will A. Mace*  
COMMISSIONER

*Lowell L. Munn*  
COMMISSIONER

*[Signature]*  
COMMISSIONER

*Gary L. Quinn*  
COMMISSIONER

IN WITNESS WHEREOF, I BRIAN C. MCNEIL, Executive Director of the Arizona Corporation Commission, have hereunto, set my hand and caused the official seal of this Commission to be affixed at the Capital, in the City of Phoenix, this 20<sup>th</sup> day of February, 2007.

*[Signature]*  
BRIAN C. MCNEIL  
Executive Director

DISSENT: \_\_\_\_\_

DISSENT: \_\_\_\_\_



1                                   **BEFORE THE ARIZONA POWER PLANT AND**  
2                                   **TRANSMISSION LINE SITING COMMITTEE**

3  
4   IN THE MATTER OF THE APPLICATION  
5   OF ARIZONA PUBLIC SERVICE  
6   COMPANY IN CONFORMANCE WITH  
7   THE REQUIREMENTS OF ARIZONA  
8   REVISED STATUTES SECTION 40-360,  
9   *et seq.*, FOR A CERTIFICATE OF  
10  ENVIRONMENTAL COMPATIBILITY  
11  AUTHORIZING THE TS-9 TO PINNACLE  
12  PEAK 500kV/230kV TRANSMISSION LINE  
13  PROJECT WHICH INCLUDES A 500kV  
14  TRANSMISSION LINE, A 230kV  
15  TRANSMISSION LINE AND  
16  ASSOCIATED FACILITIES AND INTER-  
17  CONNECTIONS ORIGINATING FROM  
18  THE PROPOSED TS-9 SUBSTATION  
19  LOCATED SOUTH OF SR74 IN PEORIA,  
20  AT SECTION 33, TOWNSHIP 6 NORTH,  
21  RANGE 1 EAST, G&SRB&M, TO THE  
22  EXISTING PINNACLE PEAK  
23  SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
24  STREET AND PINNACLE PEAK ROAD  
25  IN PHOENIX, AT SECTION 10,  
26  TOWNSHIP 4 NORTH, RANGE 4 EAST,  
   G&SRB&M.

) Docket No. L-00000D-06-0635-00131

) Case No. 131

17  
18                                   **CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY**

19       Pursuant to notice given as provided by law, the Arizona Power Plant and  
20   Transmission Line Siting Committee (the "Committee") held public hearings on  
21   November 27 and 28, and December 11 and 12, 2006, all in conformance with the  
22   requirements of Arizona Revised Statutes ("A.R.S.") § 40-360, *et seq.*, for the purpose of  
23   receiving evidence and deliberating on the Application of Arizona Public Service  
24   Company ("Applicant") for a Certificate of Environmental Compatibility ("Certificate") in  
25   the above-captioned case (the "Project").  
26

1       The following members and designees of members of the Committee were present  
2 at one or more of the hearings for the evidentiary presentations and/or for the  
3 deliberations:

4	Laurie Woodall	Chairman, Designee for Arizona Attorney General,
5		Terry Goddard
6	David L. Eberhart, P.E.	Designee for Chairman, Arizona Corporation
7		Commission
8	Ed Ranger	Designee for Director, Arizona Department of
9		Environmental Quality
10	Jim Arwood	Designee for Director, Energy Department, Arizona
11		Department of Commerce
12	Jeff McGuire	Appointed Member
13	Michael Palmer	Appointed Member
14	Joy Rich	Appointed Member
15	A. Wayne Smith	Appointed Member
16	Michael Whalen	Appointed Member

16       The Applicant was represented by Thomas H. Campbell and Albert H. Acken of  
17 Lewis and Roca LLP, and Karilee S. Ramaley of Pinnacle West Capital Corporation. The  
18 following parties were granted intervention pursuant to A.R.S. § 40-360.05: Commission  
19 Staff, represented by Charles Hains and Robin R. Mitchell; United Services Automobile  
20 Association, represented by C. Webb Crockett of Fennemore Craig, P.C.; Pulte Homes,  
21 represented by Michele Molinario of Ridenour, Hienton, Kelhoffer, Lewis & Garth,  
22 P.L.L.C.; Trammel Crow Residential, represented by William E. Lally of Withey,  
23 Anderson & Morris, P.L.C.; and TAG Land Pinnacle LLC, represented by Robert N.  
24 Pizorno of Beus, Gilbert, PLLC.

25       At the conclusion of the hearings, the Committee, having received the Application,  
26 the appearances of the parties, the evidence, testimony and exhibits presented at the

1 hearings, and being advised of the legal requirements of A.R.S. §§ 40-360 to 40-360.13,  
2 upon motion duly made and seconded, voted, 7 in favor, 2 opposed, to grant the Applicant  
3 the following Certificate of Environmental Compatibility (Case No. 131):

4 The Project route is similar to the route that was approved in Docket L-00000D-02-  
5 0120 (North Valley 230kV Facility Siting Project) (Case No. 120, Decision No. 65997).

6 The Project is a double-circuit transmission line with one 500 kV circuit and one  
7 230 kV circuit and two substations. In addition, 230 kV double-circuit transmission lines  
8 will be used to tie into previously certificated substations. The Project route (depicted on  
9 **Exhibit A** attached hereto) will originate at the proposed TS-9 Substation in Section 33,  
10 Township 6 North, Range 1 East parallel to the existing Navajo 500kV Transmission Line  
11 Corridor ("Navajo Corridor") (State Land ROW No. 14-26216), following the Navajo  
12 Corridor southwest to the Dove Valley Road alignment in a 1,500 foot wide corridor  
13 measured to the east from the westernmost edge of the existing Navajo Corridor right-of-  
14 way.

15 The route then turns east and follows the Dove Valley Road alignment east to the  
16 39<sup>th</sup> Avenue alignment adjacent to the future Avery Substation, approved in Case L-  
17 00000D-02-0120, located in Section 15, Township 6 North, Range 2 East in a 3,000 foot  
18 corridor (1,500 feet north and 1,500 feet south) centered on the section line designating the  
19 Dove Valley Road alignment.

20 From that point the route turns south following the 39<sup>th</sup> Avenue alignment south for  
21 one mile to the Lone Mountain Road alignment in a 2,000 foot wide corridor (1,000 feet  
22 east and 1,000 feet west) centered on the mid-section line designating 39<sup>th</sup> Avenue.

23 The route then turns southeast crossing Sections 22 and 23, Township 5 North,  
24 Range 2 East on a southeasterly diagonal to meet Interstate 17 at a point designated as  
25 Latitude 33.7, Longitude -112.13 in a 2,000 foot corridor (1,000 feet each side) centered  
26

1 on the alignment between the intersection of 39<sup>th</sup> Avenue and Lone Mountain Road and  
2 Latitude 33.7, Longitude -112.13.

3 From that point the route follows the west side of Interstate 17 south to Oberlin  
4 Way in a 500 foot corridor west of the existing Arizona Department of Transportation  
5 ("ADOT") right-of-way.

6 The route continues south along the west side of Interstate 17 from Oberlin Way to  
7 the existing 230kV power line corridor ("WW-PP Corridor") (which includes fee-owned  
8 lands, private easements, and State Land ROW No. 16-4298) located approximately ¼  
9 mile south of Happy Valley Road in a 1,000 foot corridor west of the existing ADOT  
10 right-of-way.

11 From that point the route then turns east within the WW-PP Corridor along the  
12 north side of the existing 230kV double-circuit power line to Central Avenue within a 175  
13 foot corridor north of the centerline of the existing 230kV double-circuit structures.

14 At Central Avenue, the 230kV circuit turns south to form an in and out  
15 interconnection with the Misty Willow Substation, approved in Case L-00000D-02-0120,  
16 located in Section 8, Township 4 North, Range 3 East within a 1,000 foot corridor (500  
17 feet east and 500 feet west) along the centerline of Central Avenue.

18 Both circuits (500kV/230kV) then continue east within the existing WW-PP  
19 Corridor along the north side of the northernmost existing 230kV power line to 56<sup>th</sup> Street  
20 within a 175 foot corridor north of the existing 230kV structures.

21 The route continues east within the existing WW-PP Corridor along the north side  
22 of the northernmost existing 230kV power line to its termination at the Pinnacle Peak  
23 Substation located in Section 10, Township 4 North, Range 4 East within a 1,500 foot  
24 corridor north of the centerline of the northernmost existing 230kV structures.

1 The Project shall be constructed on double-circuit monopoles. Conceptual models  
2 of the monopoles are depicted in Exhibits G-1 through G-4 of the application, attached  
3 hereto as **Exhibit B**.

4 This Certificate is granted upon the following conditions:

- 5 1. The Applicant shall obtain all required approvals and permits necessary to  
6 construct the Project.
- 7 2. The Applicant shall comply with all existing applicable ordinances, master  
8 plans and regulations of the State of Arizona, the County of Maricopa, the  
9 United States, and any other governmental entities having jurisdiction.
- 10 3. This authorization to construct the Project shall expire ten years from the  
11 date the Certificate is approved by the Arizona Corporation Commission (the  
12 "Commission").
- 13 4. The Applicant shall make every reasonable effort to identify and correct, on  
14 a case-specific basis, all complaints of interference with radio or television  
15 signals from operation of the transmission line and related facilities  
16 addressed in this Certificate. The Applicant shall maintain written records  
17 for a period of five years of all complaints of radio or television interference  
18 attributable to operation, together with the corrective action taken in  
19 response to each complaint. All complaints shall be recorded to include  
20 notations on the corrective action taken. Complaints not leading to a  
21 specific action of for which there was no resolution shall be noted and  
22 explained.
- 23 5. The Project shall comply with applicable noise standards of the federal  
24 Department of Housing and Urban Development and the Environmental  
25 Protection Agency.  
26

- 1           6.     If all Register-eligible properties cannot be avoided, then the Applicant will  
2                 continue to consult with the State Historic Preservation Office ("SHPO") to  
3                 resolve the negative impacts.
- 4           7.     The Applicant shall avoid and/or minimize impacts to properties considered  
5                 eligible for inclusion in the State Register of Historic Places to the extent  
6                 possible.
- 7           8.     If the Applicant decides that historic-period structures Beardsley Canal and  
8                 Black Canyon Road and archaeological Sites AZ T:3:361, 362, 363 and 364,  
9                 AZ T:7:192 and AZ T:8:157, AZ T:3:1 (MNA), and AZ T:3:2 (MNA)  
10                cannot be avoided, then the Applicant will plan and implement a mitigation  
11                program in consultation with SHPO.
- 12          9.     After construction, the Applicant, in conjunction with any applicable land  
13                 managing agency, shall allow Arizona Site Stewards, a volunteer-staffed  
14                 SHPO program, to periodically inspect the sites within the corridor for  
15                 vandalism or other damage.
- 16          10.    In consultation with SHPO and the land-managing agency, the Applicant  
17                 will consider and assess potential direct and indirect impacts to eligible  
18                 properties related to new access roads or any existing access roads that  
19                 require blading.
- 20          11.    The Applicant shall follow any instructions from the Arizona State Land  
21                 Department ("ASLD") regarding the treatment of State Register of Historic  
22                 Places-eligible properties situated on ASLD land in consultation with SHPO.
- 23          12.    If human remains and/or funerary objects are encountered during the course  
24                 of any ground disturbing activities relating to the development of the subject  
25                 property, Applicant shall cease work on the affected area of the Project and  
26

1 notify the Director of the Arizona State Museum in accordance with A.R.S.  
2 § 41-865.

3 13. The Applicant shall design the transmission lines so as to minimize impacts  
4 to raptors.

5 14. Where practicable, the Applicant shall use existing roads for construction  
6 and access. The Applicant shall minimize vegetation disturbance outside of  
7 the Project right-of-way, particularly in drainage channels and along stream  
8 banks, and shall re-vegetate or restore areas of construction disturbance  
9 outside of the Project right-of-way after construction has been completed.

10 15. The Applicant shall use non-specular conductor and dulled surfaces for  
11 transmission line structures.

12 16. Within 120 days of the Commission decision granting this Certificate,  
13 Applicant will post signs in public rights-of-way giving notice of the Project  
14 corridor. Within 45 days of securing easement or right-of-way for the  
15 Project, the Applicant shall erect and maintain signs providing public notice  
16 that the property is the site of a future transmission line. Such signage shall  
17 be no smaller than a normal roadway sign. The Applicant shall place signs  
18 in prominent locations at reasonable intervals such that the public is notified  
19 along the full length of the transmission line until the transmission structures  
20 are constructed. There must also be signs at the location of the proposed  
21 substations. The signs shall advise:

- 22 (a) That the site has been approved for the construction of Project  
23 facilities including 500/230kV transmission lines or substation, as  
24 applicable to the individual site;
- 25 (b) The expected date of completion of the Project facilities;
- 26 (c) A phone number for public information regarding the Project;

- (d) The name of the Project;
- (e) The name of the Applicant; and
- (f) The Applicant's website.

Sign placement will be reported annually in accordance with Condition 22.

17. In the event that the Project requires an extension of the term of this Certificate prior to completion of construction, Applicant shall use reasonable means to directly notify all landowners and residents within a one-half mile of the Project corridor for which the extension is sought. Such landowners and residents shall be notified of the time and place of the proceeding in which the Commission shall consider such request for extension.

18. Before construction on this Project may commence, the Applicant must file a construction mitigation and restoration plan with Docket Control with copies to the affected areas of jurisdiction. The Applicant shall, within one year of completion of construction of the Project, rehabilitate to its original state any area disturbed by construction of the Project, except for any road that may be necessary to access the transmission lines or substation sites for maintenance and repair.

The goals of the Plan will be to:

- (a) Avoid impacts where practical;
- (b) Where impacts are unavoidable, minimize impacts; and
- (c) Focus on site preparation to facilitate natural processes of revegetation.

Other key elements of the Plan, when not inconsistent with the respective land management agencies' or local owners' requirements, are to:

- (a) Emphasize final site preparation to encourage natural revegetation;



- (b) Avoid (e.g., preserve), where practical, mature native trees;
  - (c) Stipulate a maximum construction corridor width;
  - (d) Reserve native plant materials from right-of-way before grading and replant after construction is complete;
  - (e) Imprint the restored right-of-way to provide indentations to catch seed and water;
  - (f) Implement best management practices to protect the soil;
  - (g) Apply restoration methods that have been shown to work in the desert environment; and
  - (h) Prevent the spread of noxious weeds or other undesirable species.
19. Applicant shall retain a qualified biologist to monitor all ground clearing/disturbing construction activities that may affect sensitive species or habitat. The biological monitor will be responsible for ensuring proper actions are taken if a special status species is encountered. If Sonoran desert tortoises are encountered during construction, the Applicant shall follow the Arizona Game & Fish Department's ("AGFD's") Guidelines for Handling Sonoran Desert Tortoises.
  20. Applicant shall salvage mesquite, ironwood, saguaro and palo verde trees removed during Project construction activities consistent with Arizona's Native Plant Law and use the vegetation for reclamation in or near its original location.
  21. Applicant shall implement landscaping for the substation sites in accordance with the applicable municipal planning and zoning requirements.
  22. The Applicant shall submit a self-certification letter annually, identifying progress made with respect to each condition contained in the Certificate, including which conditions have been met. Each letter shall be submitted to

1 the Utilities Division Director on December 1 beginning in 2007. Attached  
2 to each certification letter shall be documentation explaining how  
3 compliance with each condition was achieved. Copies of each letter along  
4 with the corresponding documentation shall be submitted to the Arizona  
5 Attorney General and Department of Commerce Energy Office. The  
6 requirement for the self-certification shall expire on the date the Project is  
7 placed into operation.

8 23. With respect to the Project, Applicant shall participate in good faith in state  
9 and regional transmission study forums and will continue its coordination  
10 with both Salt River Project and Western Area Power Administration to  
11 coordinate transmission expansion plans related to the Project and to resolve  
12 transmission constraints in a timely manner.

13 24. Applicant shall coordinate construction through the Happy Valley Towne  
14 Center with the property owners to minimize impact on the retail operation  
15 of the Center.

16 25. The Applicant shall provide copies of this Certificate to the City of Phoenix  
17 and City of Peoria planning agencies, mayors, and city councils, the  
18 Maricopa County Planning and Development Department, the Maricopa  
19 County Board of Supervisors, SHPO, AGFD, ADOT, and ASLD.

20 26. Before commencing construction of Project facilities located within 100 feet  
21 of any existing natural gas or hazardous liquid pipeline, the Applicant shall:  
22 (a) perform the appropriate grounding and cathodic protection studies to  
23 show that the Project's location within 100 feet of such pipeline  
24 results in no material adverse impacts to the natural gas or hazardous  
25 liquid pipeline or to public safety when both are in operation. A  
26 report of studies shall be provided to the Commission Staff as part of

1 Applicant's compliance with the Certificate. If material adverse  
2 impacts are noted in the studies, Applicant shall take appropriate steps  
3 to ensure that such material adverse impacts are eliminated.

4 Applicant shall provide to the Commission Staff written  
5 documentation of the actions that will be taken and documentation  
6 showing no material adverse impact will occur; and

- 7 (b) perform a technical study simulating an outage of the facility that may  
8 be caused by the collocation of the Project within 100 feet of the  
9 existing natural gas or hazardous liquid pipeline. This study should  
10 either: i) show that such outage does not result in customer outages;  
11 or ii) include operating plans to minimize any resulting customer  
12 outages. Applicant shall provide a copy of this study to Commission  
13 Staff.

14 27. Prior to the date this transmission line is put into commercial service, the  
15 Applicant shall provide homebuilders and developers within one mile of the  
16 center line of the certificate route the identity, location, and a pictorial  
17 depiction of the type of power line being constructed, accompanied by a  
18 written description, and encourage the developers and homebuilders to  
19 include this information in the developers' and homebuilders' homeowners'  
20 disclosure statements.

21 28. Applicant shall use commercially reasonable efforts to work with Pinnacle  
22 Cemeteries to mitigate visual impacts at the Pinnacle Cemeteries from the  
23 Project.

24 29. Within 90 days of the final Commission decision granting this Certificate,  
25 Applicant shall file an A.R.S. § 40-252 application for approval of  
26 modification(s) to Commission Decision No. 65997, which granted the

1 Certificate in Case 120, to reflect the grant of this Certificate. Specifically,  
2 Applicant will request that the following condition be added to Decision No.  
3 65997: "Applicant shall not build that portion of the Project approved in this  
4 case located between: (a) the intersection of the section line that designates  
5 the Dove Valley Road alignment and the existing Navajo -  
6 Westwing 500/230 kV corridor; and (b) the Pinnacle Peak substation.  
7 Applicant retains the authorization to construct the Avery and Misty Willow  
8 substations (Decision No. 65997, Case 120, pages 3:15-17 and 4:9-11) and  
9 also that portion of the double-circuit 230 kV transmission line between  
10 Westwing and Raceway substations (Decision No. 65997, Case 120, page  
11 3:5-13), as described, noticed and certificated in this Case 120. Further,  
12 Condition 23 of the Certificate in Decision 65997, Case 120, is no longer  
13 applicable."

14 30. Applicant shall make a good faith effort to work with affected municipalities  
15 and land management agencies to encourage future development to move  
16 major arterials away from major transmission corridors.

17 31. Applicant shall work in good faith with the City of Peoria, ADOT, and  
18 ASLD regarding the final right-of-way on that portion of the route along the  
19 Dove Valley Road alignment.

20 GRANTED this 29 day of December 2006.

21  
22 THE ARIZONA POWER PLANT AND  
23 TRANSMISSION LINE SITING COMMITTEE

24  
25 *Laurie A. Woodall* 2/6/07  
26 Laurie A. Woodall, Chairman  
Assistant Attorney General

# EXHIBIT A

Lake Pleasant

**TS-9 SUBSTATION**  
130 acres in Section 33,  
Township 6 North,  
Range 1 East

1,500' east from the  
westernmost edge  
of the existing  
Right-of-Way  
From TS-9 to the Dove  
Valley Road alignment

3,000' (1,500' north & 1,500' south) centered  
on the section line designating  
the Dove Valley Road alignment from  
the Navajo 500kV Transmission Line Corridor  
to the 39th Ave. alignment

**AVERY SUBSTATION**  
Approximately 1/2 mile west of I-17 in Section 15,  
Township 5 North, Range 2 East.

2,000' (1,000' each side) centered  
on the alignment between the intersection  
of 39th Ave & Lone Mountain Rd. and  
Lat. 33.7, Long. -112.13

2,000' (1,000' east & west) centered on  
the mid-section line designating 39th Ave.

500' west of existing  
ADOT Right-of-Way from south of  
Lat. 33.7, Long. -112.13 to Oberlin Way

1,000' west of existing  
ADOT Right-of-Way from Oberlin Way  
to 1/4 mile south of Happy Valley Rd.

1,000' (500' east & west) along  
the centerline of Central Ave. from  
the existing 230kV structures to  
the Misty Willow Substation  
(230 kV Circuit Only)

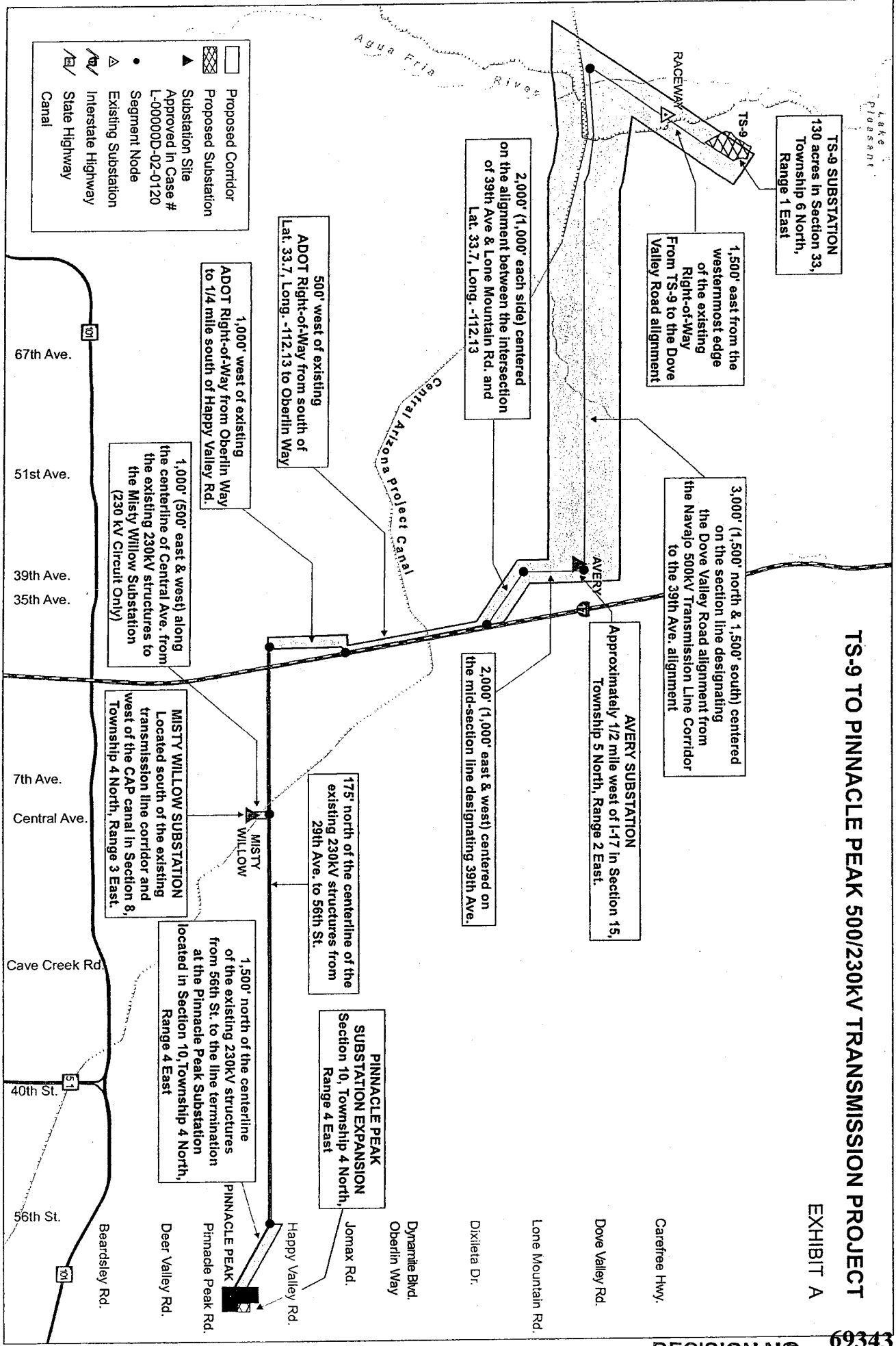
**MISTY WILLOW SUBSTATION**  
Located south of the existing  
transmission line corridor and  
west of the CAP canal in Section 8,  
Township 4 North, Range 3 East.

175' north of the centerline of the  
existing 230kV structures from  
29th Ave. to 56th St.

**PINNACLE PEAK  
SUBSTATION EXPANSION**  
Section 10, Township 4 North,  
Range 4 East

1,500' north of the centerline  
of the existing 230kV structures  
from 56th St. to the line termination  
at the Pinnacle Peak Substation  
located in Section 10, Township 4 North,  
Range 4 East

- Proposed Corridor
- Proposed Substation
- Substation Site  
Approved in Case #  
L-000000D-02-0120
- Segment Node
- Existing Substation
- Interstate Highway
- State Highway
- Canal

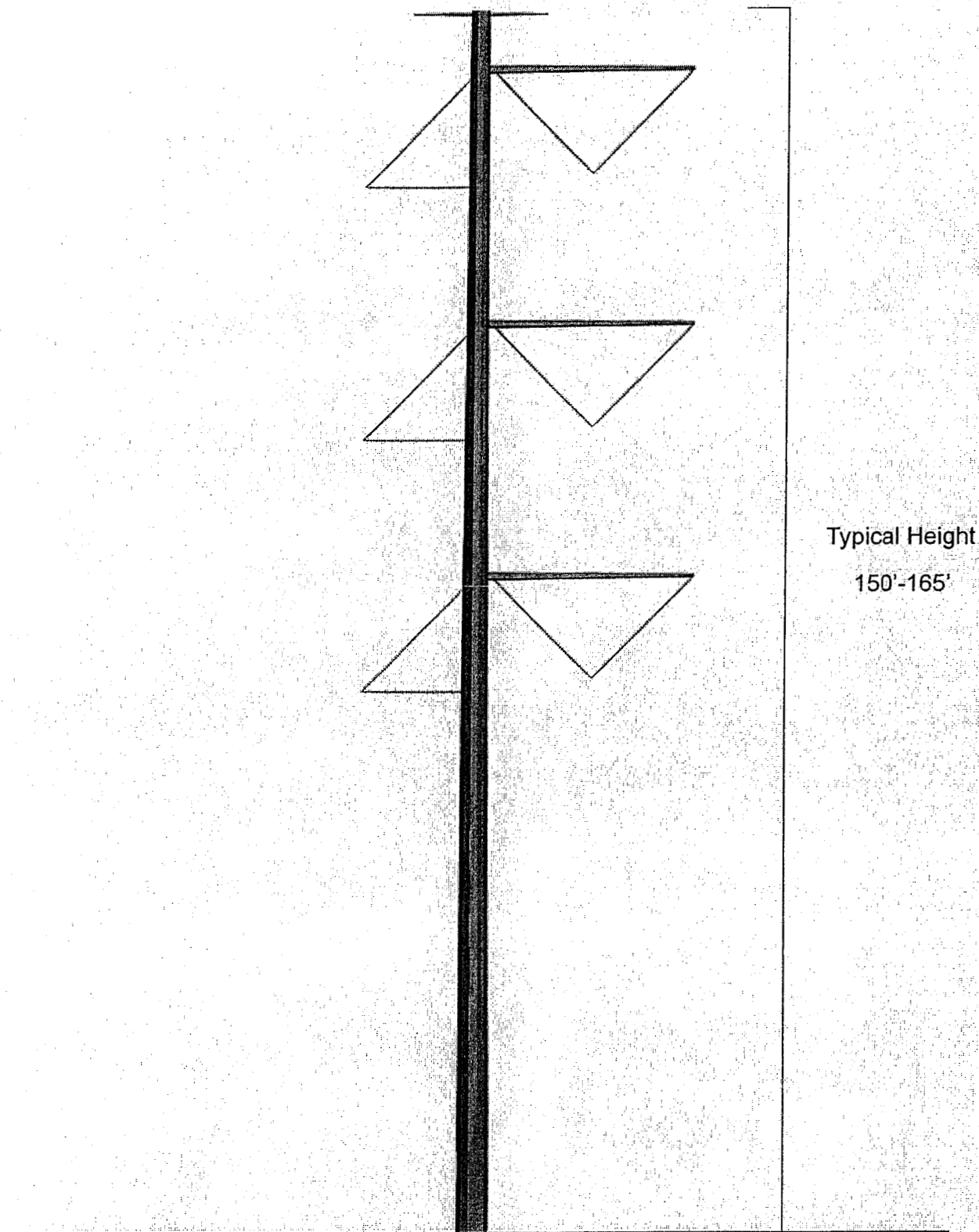


69343

DECISION NO.

# TS-9 TO PINNACLE PEAK 500/230KV TRANSMISSION PROJECT EXHIBIT A

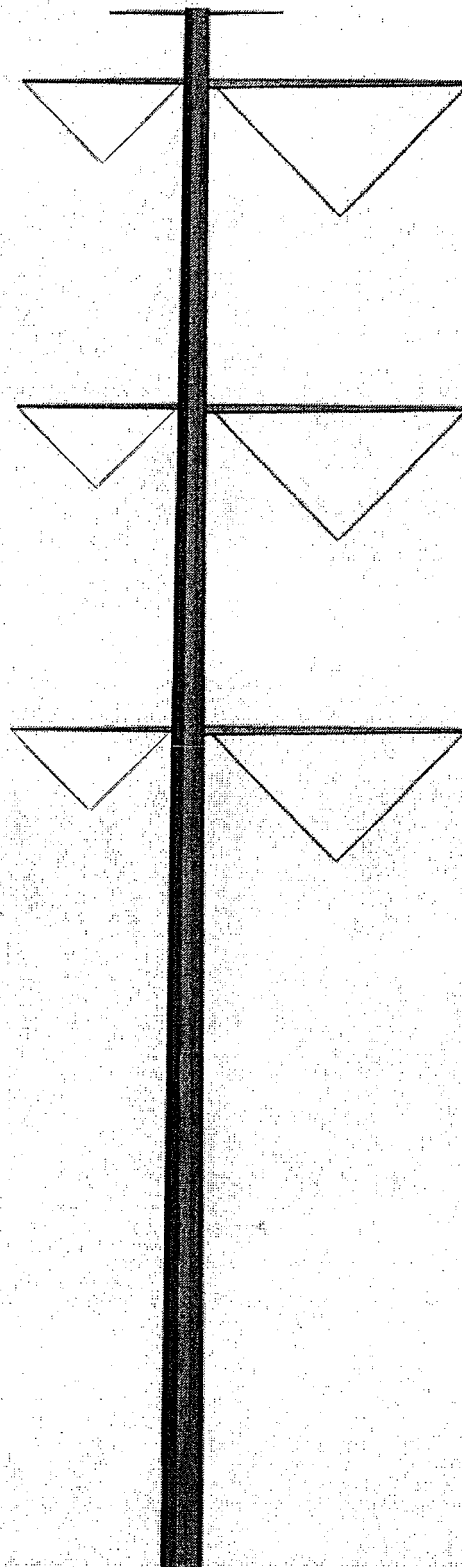
## EXHIBIT B



**EXHIBIT G-1**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #1)

DECISION NO. 69343

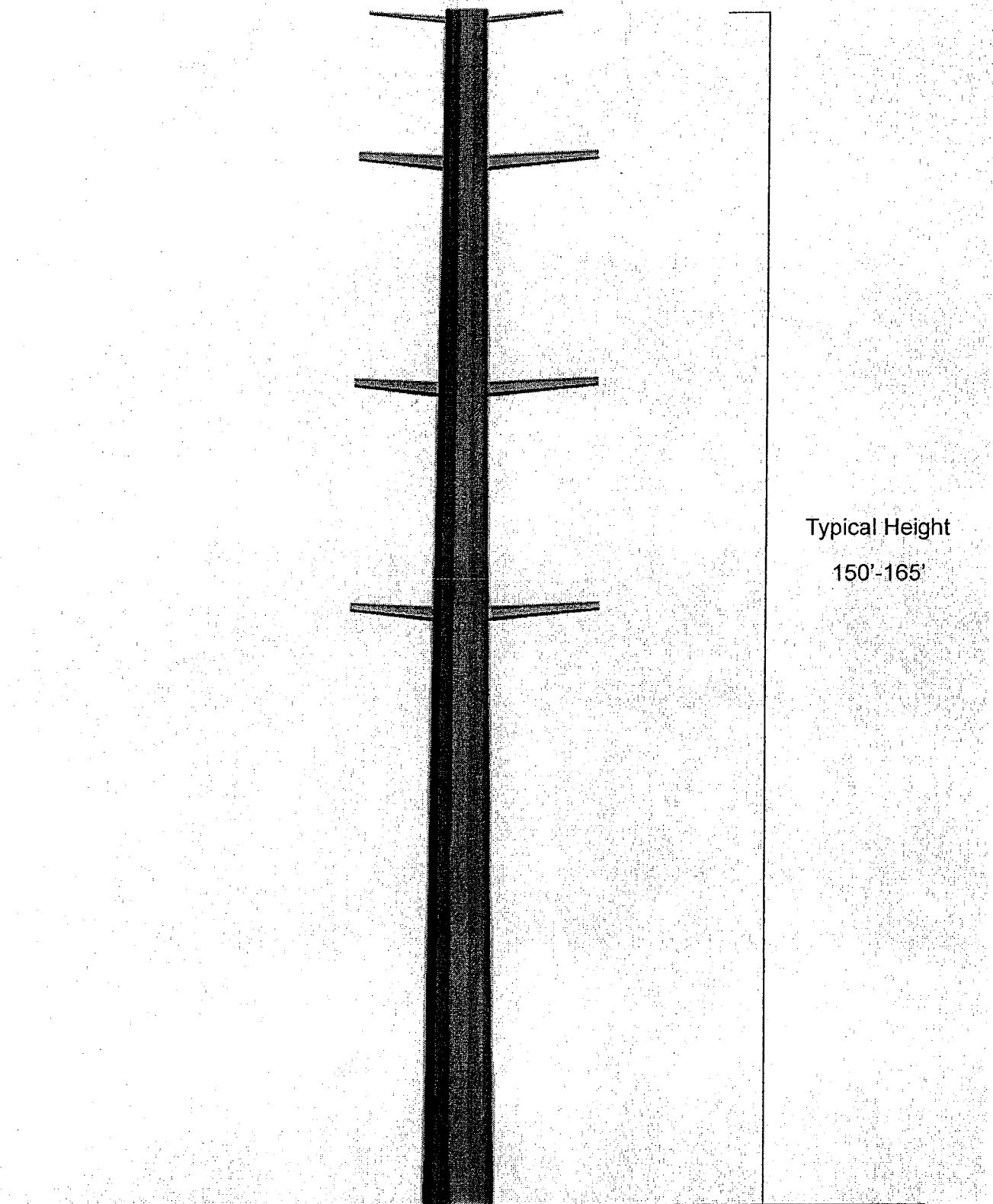


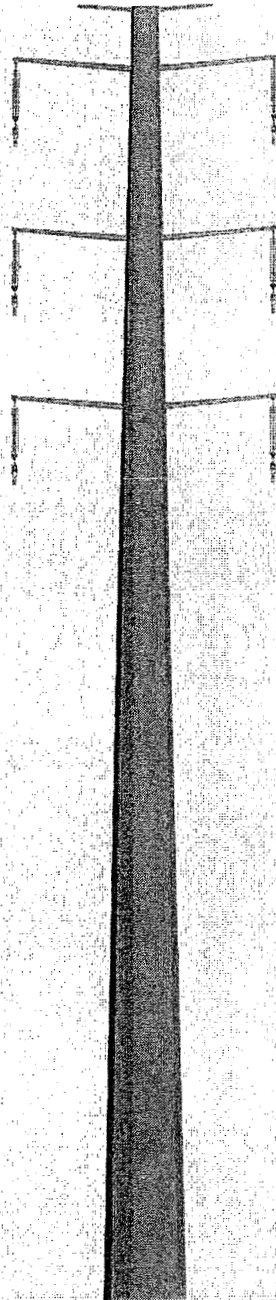


Typical Height  
150'-165'

**EXHIBIT G-2**  
Conceptual 500/230kV Steel Monopole Structure  
(Design Configuration #2)

DECISION NO. 69343





Typical Height  
125'

**EXHIBIT G-4**  
Conceptual 230kV Double-Circuit Structure

DECISION NO. 69343

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26

**BEFORE THE ARIZONA POWER PLANT AND  
TRANSMISSION LINE SITING COMMITTEE**

IN THE MATTER OF THE APPLICATION  
OF ARIZONA PUBLIC SERVICE  
COMPANY IN CONFORMANCE WITH  
THE REQUIREMENTS OF ARIZONA  
REVISED STATUTES SECTION 40-360,  
*et seq.*, FOR A CERTIFICATE OF  
ENVIRONMENTAL COMPATIBILITY  
AUTHORIZING THE TS-9 TO PINNACLE  
PEAK 500kV/230kV TRANSMISSION LINE  
PROJECT WHICH INCLUDES A 500kV  
TRANSMISSION LINE AND  
ASSOCIATED FACILITIES AND INTER-  
CONNECTIONS ORIGINATING FROM  
THE PROPOSED TS-9 SUBSTATION  
LOCATED SOUTH OF SR74 IN PEORIA,  
AT SECTION 33, TOWNSHIP 6 NORTH,  
RANGE 1 EAST, G&SRB&M, TO THE  
EXISTING PINNACLE PEAK  
SUBSTATION LOCATED NEAR 64<sup>TH</sup>  
STREET AND PINNACLE PEAK ROAD  
IN PHOENIX, AT SECTION 10,  
TOWNSHIP 4 NORTH, RANGE 4 EAST,  
G&SRB&M.

Docket No. L-00000D-06-0635-00131

Case No. 131

**NOTICE OF FILING  
CERTIFICATE OF  
ENVIRONMENTAL  
COMPATIBILITY  
NUNC PRO TUNC**

AZ CORP COMMISSION  
DOCUMENT CONTROL

2007 FEB -7 A 9:47

RECEIVED

The Arizona Power Plant and Transmission Line Siting Committee hereby gives  
Notice of Filing Nunc pro Tunc its Decision and Certificate of Environmental  
Compatibility, for approval by the Arizona Corporation Commission. A copy of the  
Decision is attached, correcting typographical errors:

1. Correcting Docket Number;
2. Correcting spelling errors – ‘northermost,’ to ‘northernmost;’ and
3. Correcting ‘impractical,’ on para. 18(a), pg. 8, to ‘practical.’

All other terms of the CEC are identical to that originally filed on December 29,  
2006, including the date the Certificate was granted.

DECISION NO. 69343

1 DATED, this 6<sup>th</sup> day of February, 2007.

2  
3 

4 Laurie A. Woodall, Chairman  
5 Arizona Power Plant & Transmission  
6 Line Siting Committee

7 ORIGINAL DECISION hand-delivered  
8 to the Commissioners' Division, and  
9 the Original and 25 copies of this  
Notice filed this 6<sup>th</sup> day of February, 2007, with:

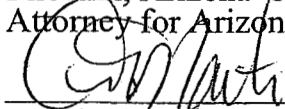
10 Docket Control  
11 Arizona Corporation Commission  
12 1200 West Washington Street  
13 Phoenix, AZ 85007

14 COPIES of the foregoing  
15 mailed this 6<sup>th</sup> day of February, 2007, to:

16 Charles Hains  
17 Robin Mitchell  
18 Maureen Scott  
19 Legal Division  
20 Arizona Corporation Commission  
21 1200 West Washington Street  
22 Phoenix AZ 85007  
23 (Attorney for Staff of Utilities Division of ACC)

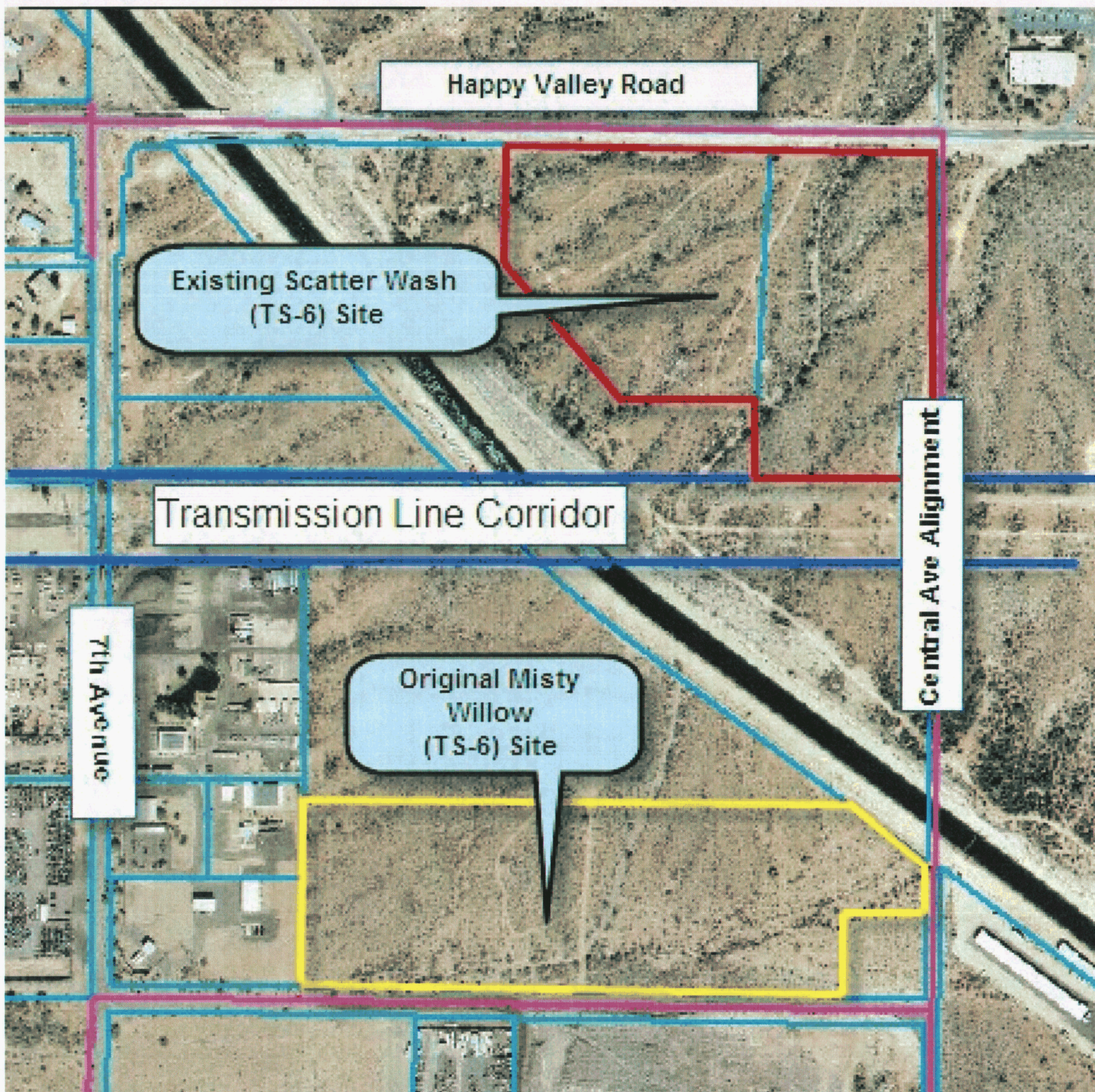
24 Ernest G. Johnson, Director  
25 Utilities Division  
26 Arizona Corporation Commission  
1200 West Washington Street  
Phoenix, AZ 85007

Thomas H. Campbell, Esq.  
Lewis and Roca, LLP  
Two Renaissance Square  
40 North Central Avenue  
Phoenix AZ 85004-4429  
Attorney for Applicant

1 Patrick J. Black, Esq.  
2 Crockett C. Webb, Esq.  
3 Fennemore Craig  
4 Suite 2600  
5 3003 North Central Avenue  
6 Phoenix, Arizona 85012-2913  
7 Attorney for United Services Auto Assoc.  
8  
9 William E. Lally, Esq.  
10 Withey, Anderson & Morris  
11 2525 East Arizona Biltmore Circle, #A-212  
12 Phoenix, Arizona 85016-2133  
13 Attorney for Trammell Crow Residential  
14  
15 Michele Molinaro, Esq.  
16 Ridenour Hienton, et. Al  
17 201 North Central Avenue, Suite 3300  
18 Phoenix, Arizona 85004-1052  
19 Attorney for Pulte Homes  
20  
21 Robert N. Pizorno, Esq.  
22 Britton M. Worthen, Esq.  
23 Beus Gilbert PLLC  
24 4800 North Scottsdale Road, Suite 6000  
25 Scottsdale, Arizona 85251-7630  
26 Attorney for TAG Land Pinnacle LLC  
Karilee S. Ramaley, Esq.  
Pinnacle West Capital Corp.  
400 North 5<sup>th</sup> Street  
P.O. Box 53999 MS 8695  
Phoenix, Arizona 85072-3999  
Attorney for Arizona Public Service Co.  
  
#308513

## **EXHIBIT C**



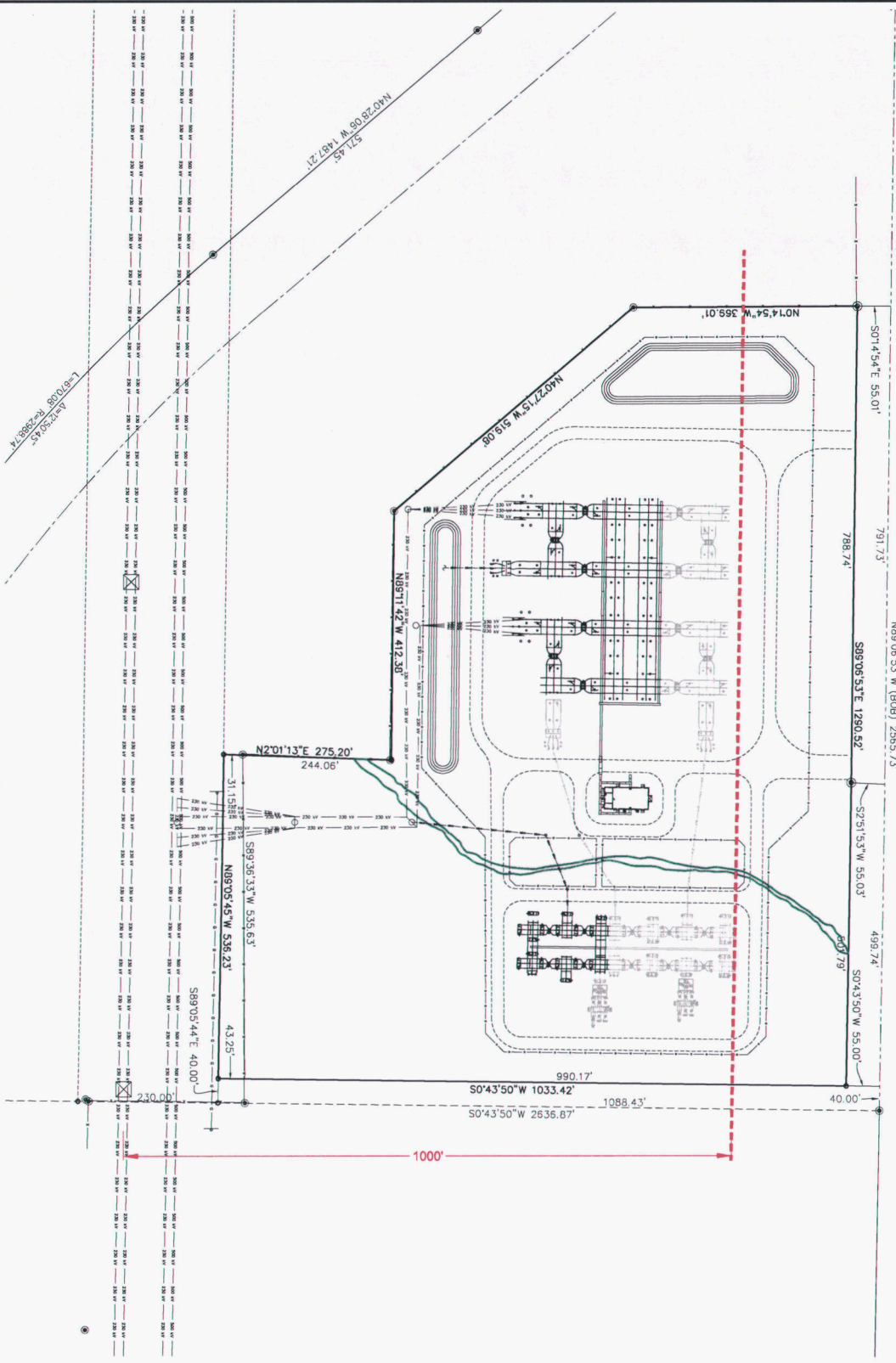




## **EXHIBIT D**

This drawing is the property of Arizona Public Service Company. Use of this drawing and the specific design depicted hereon for any reason other than that referred to Arizona Public Service Company is not authorized.

1 CONCEPT LAYOUT  
SCALE: 1" = 80'



HAPPY VALLEY ROAD

CENTRAL AVE

**KEYNOTES:**

- DESIGN 40' ASPHALT DRIVEWAY FROM HAPPY VALLEY ROAD TO THE SUBSTATION FENCE/WALL.
- POSSIBLE ROAD IMPROVEMENTS TO HAPPY VALLEY ROAD.
- EVALUATE THE NEED FOR A SECOND ACCESS POINT AND COST INVOLVED. MAY ELIMINATE.
- DESIGN A MASONRY WALL/CHANNEL FENCE DEPENDING ON THE REQUIREMENT OF THE CITY. A WALL MAY BE NEEDED ON THE NORTH AND PART MAY DOWN ON THE EAST AND WEST. CHANNELING MAY BE ACCEPTABLE ON THE REMAINDER OF EAST AND WEST, AND ON THE SOUTH.
- RETENTION OR DETENTION AREAS TO BE DESIGNED AND SIZED.
- EVALUATE H-20 CROSSING OPTIONS (SUCH AS BOX CULVERT, ARCH SPAN, ETC.) AND PROVIDE THE DESIGN FOR THE STRUCTURE ALONG WITH A SECURE STORMWATER INLET AND OUTLET FOR THE WASH.
- EVALUATE PEDESTRIAN & CABLE TRENCH CROSSING OPTIONS (SUCH AS BOX CULVERT, ARCH SPAN, ETC.) AND PROVIDE THE DESIGN FOR THE STRUCTURE.
- DESIGN AN OPEN CHANNEL WITH BANK PROTECTION FOR STORMWATER THROUGH THE SITE AS INDICATED.

**~ PLANNING ONLY ~**

NO DATE		REV 11/15/2024		SHEET NO. 1	
PROJECT: AS PHASE		PROJECT: AS PHASE		DATE: 08-08-10	
DESIGNER: CAN		DESIGNER: CAN		SCALE: 1" = 80'	
CHECKER: SHD		CHECKER: SHD		SHEET NO. 1	
PROJECT: 111 W. HAPPY VALLEY RD, PHOENIX, AZ 85027		PROJECT: 111 W. HAPPY VALLEY RD, PHOENIX, AZ 85027		SHEET NO. 1	
PROJECT: 111 W. HAPPY VALLEY RD, PHOENIX, AZ 85027		PROJECT: 111 W. HAPPY VALLEY RD, PHOENIX, AZ 85027		SHEET NO. 1	

**APS**